

DUAL-MODE TRANSMITTER



ABSTRACT

An emergency and non-emergency transmitter receivable by broadcast band receivers in nearby vehicles, comprising a first signal generator for simultaneously providing a plurality of selectively spaced carriers having frequency spacings corresponding to the individual channels of the band to be covered and selectively providing amplitude modulation when used for the AM broadcast band, and a second signal generator providing an FM modulated signal, which when combined with the signal from the first signal generator, covers various portions of the FM broadcast band to provide complete coverage thereof. A plurality of signals are generated in a portion of a selected band and modulated, according to the selected band mode, with a pre-stored and selectable voice alarm message. The portion of the band is changed to provide coverage of the entire broadcast band, the broadcast band is also changed, and/or the message is changed to provide effective emergency notification to vehicles and/or listeners within a half-mile radius of the emergency vehicle or public facility issuing the alarm transmission.

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